


FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) DATE SUBMITTED TO PTO: April 28, 2003		ATTY DOCKET NO. PD-980024A		APPLICATION NO. 10/038,003			
		APPLICANT Eroz et al.					
		FILING DATE Jan. 3, 2002		GROUP 2133			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SMB	1	2003/0041297 A1	27-Feb-03	Eroz et al.	714	755	28-May-02
SMB	2	2003/0051205 A1	13-Mar-03	Eroz et al.	714	792	28-May-02
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FOREIGN PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ABS
OTHER DOCUMENT(S)							
*EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.					
EXAMINER				DATE CONSIDERED			
Stephen M. Baker				3/15/04			

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DATE SUBMITTED TO PTO: October 28, 2002				<b>RECEIVED</b>			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SMB	1	5,687,095	11-Nov-97	Haskell et al.	371	43	1-Nov-94
SMB	2	5,721,745	24-Feb-98	Hladik et al.	371	43	19-Apr-96
SMB	3	5,742,612	21-Apr-98	Gourgue et al.	371	2.1	1-Jun-94
SMB	4	5,944,850	31-Aug-99	Chouly et al.	714	790	9-Dec-97
SMB	5	5,978,414	2-Nov-99	Nara	375	225	3-Jul-96
SMB	6	5,996,104	30-Nov-99	Herzberg	714	755	5-Sep-97
SMB	7	6,023,783	8-Feb-00	Divsalar et al.	714	792	15-May-97
SMB	8	6,289,486 B1	11-Sep-01	Lee et al.	714	788	30-Jul-98
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ABS
SMB	9	0300139 A2 & A3	25-Jan-89	EPO			
SMB	10	WO 96/37050 A1	21-Nov-96	PCT			
SMB	11	DE 19520987 A1	12-Dec-96	Germany			YES
SMB	12	DE 19736653 C1	10-Dec-98	Germany			YES
OTHER DOCUMENT(S)							
*EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.					
SMB	13	Berrou et al., Near Shannon Limit Error – Correcting Code and Decoding: Turbo Codes, 23-May-1993, Pp 1064-1070.					
SMB	14	Maric, Class of Algebraically Constructed Permutations for Use in Pseudorandom Interleavers, Electronics Letters, Vol. 30, No. 17, 18-Aug-1994, Pp 1378-1379.					
SMB	15	Divsalar et al., "Turbo Codes for PCS Applications," 18-Jun-1995, Pp 54-59.					
SMB	16	Divsalar et al., "Multiple Turbo Codes," IEEE Proceedings of the Military Communications Conference, San Diego, CA, Vol. 1, 6-Nov-1995, Pp 279-285.					
SMB	17	Benedetto et al., "Unveiling Turbo Codes: Some Results on Parallel Concatenated Coding Schemes," IEEE Transactions on Information Theory, Vol. 4, No. 2, 1-Mar-1996, Pp 409-428.					
SMB	18	Benedetto et al., "Design of Parallel Concatenated Convolutional Codes," IEEE Transactions on Communications, Vol. 44, No. 5, 1-May-96, Pp 591-600.					
SMB	19	Lee et al., "Turbo Code and Its Performance," TIA TR45.5.4, 8-Dec-97.					
SMB	20	Eroz et al., "RTT Text for Turbo Codes," ETSI SMG2UMTS-L1, Oslo, Norway, 1-Apr-98.					
SMB	21	Eroz et al., "FER and BER Comparisons of Turbo versus Convolutional Codes," ETSI SMG2UMTS-L1, Paris, France, 28-Apr-1998.					
EXAMINER Stephen M. Baker				DATE CONSIDERED 3/14/04			

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				<b>RECEIVED</b> Eroz et al.			
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SMB	22	6,332,209 B1	18-Dec-01	Eroz et al.	714	790	20-Aug-99
SMB	23	6,334,197 B1	25-Dec-01	Eroz et al.	714	701	16-Aug-99
SMB	24	6,430,722 B1	6-Aug-02	Eroz et al.	714	755	22-Jan-99
SMB	25	2002/0083395 A1	27-Jun-02	Eroz et al.	714	790	18-Dec-01
SMB	26	2002/0087923 A1	4-Jul-02	Eroz et al.	714	702	19-Dec-01
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SMB	27	Lee et al., "Third Generation Wireless Technologies – Expectations and Realities," 9 <sup>th</sup> IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Boston, MA, 8-Sep-1998, Vol. 1, Pp 79-83.					
SMB	28	Ho et al., "Improving the Constituent Codes of Turbo Encoders," IEEE Globecom 1998, The Bridge to Global Integration, Sydney, Vol. 6, 8-Nov-1998, Pp 3525-3529.					
EXAMINER	Stephen M. Baker			DATE CONSIDERED 3/15/04			

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		APPLICANTS Mustafa Eroz et al.			
DATE SUBMITTED TO PTO: <u>October 2, 2002</u>		FILING DATE January 03, 2002		GROUP <del>Unknown</del> 2133	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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EXAMINER	DATE CONSIDERED
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## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ABS

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SUB	Barbulescu et al., "Rate Compatible Turbo Codes," Electronics Letters, Vol. 31, No. 7, March 30, 1995, pp. 535-536.

EXAMINER <u>Stephen M. Baker</u>	DATE CONSIDERED <u>3/15/04</u>
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	APPLICANTS <b>Mustafa Eroz et al.</b>	
	FILING DATE <b>January 03, 2002</b>	GROUP <del>Unknown</del> <b>2133</b>

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SWB	5,983,384	9 Nov. 1999	Ross	714	755	21 April 1997
SWB	6,088,387	11 Jun. 2000	Gelblum et al.	375	222	31 Dec. 1997
SWB	6,094,427	25 Jun. 2000	Yi	370	331	7 Jul. 1998

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SWB	WO 98/48517	29 Oct. 1998	WIPO			
SWB	DE 197 36 653	10 Dec. 1998	Germany			No.

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SWB	Acikel, O.F. et al., "High Rate Turbo Codes for BPSK/QPSK Channels", ICC '98 1998 IEEE International Conf. On Communications, June 7-11, 1998, pp. 422-427, vol. 1.
SWB	Riedel, S., "Symbol-by-Symbol MAP Decoding Algorithm for High-Rate Convolutional Codes That Use Reciprocal Dual Codes", IEEE Journal on Selected Areas in Communications., vol. 16, No. 2, Feb. 1, 1998, pp. 175-185.
SWB	Rowitch, D.N. et al., "Rate Compatible Punctured Turbo (RCPT) Codes in a Hybrid FEC/ARQ System", 1997 IEEE Global Telecommunications Mini-Conference, vol. 4, Nov. 1999, pp. 55-59.
SWB	Chan et al., "An Adaptive Hybrid FEC/ARQ Protocol Using Turbo Codes", 1997 IEEE 6 <sup>th</sup> International Conference on Universal Personal Communications, Oct. 1997, pp. 541-545.

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